

PI 576177. *Hordeum vulgare* L. subsp. *vulgare* POACEAE Barley

Donated by: Kibite, S., Lacombe Res. Sta.-Agriculture Canada, Bag Service 5000, Lacombe, Alberta TOC 1SO, Canada. **remarks:** AC LACOMBE BARLEY. Received December 16, 1993.

origin: Canada. **developed:** Solomon Kibite. **origin institute:** Lacombe Res. Sta.-Agriculture Canada, Bag Service 5000, Lacombe, Alberta TOC 1SO Canada. **cultivar:** AC LACOMBE. **pedigree:** Klondike//Galt/Unitan. **other id:** BT 634. **other id:** LAB-695-033. **other id:** CV-244. **group:** CSR-BARLEY. **restricted:** CSR. **remarks:** Six-rowed feed barley with high yield, medium maturity and good lodging resistance. Plant height intermediate (72cm) and high test weight (60kg hL-1), high kernel weight (41mg/kernel) and high % of plump kernels (>75%). Resistant to covered smut (*Ustilago hordei*), false loose smut (*U. nigra*) and pathotype Rpg1 of wheat stem rust (*Puccinia graminis*). Mod. resistant to pathotype pgt-QCC of wheat stem rust, and spot-type of net blotch (*Pyrenophora teres*). Mod. suscept. to net-type of net blotch (*P. teres*), common root rot, & scald. Suscept. to loose smut & speckled leaf blotch. Spring Annual. Cultivar. Seed.

PI 576178 to 576179. *Pascopyrum smithii* (Rydb.) A. Love POACEAE Western wheatgrass

Donated by: Berdahl, J.D., USDA-ARS, P.O. Box 459, Mandan, North Dakota 58554, United States. Received December 16, 1993.

PI 576178 **origin:** United States. **cultivar:** ND-WWG931. **pedigree:** 5140 genotypes collected from 1028 sites in western North and South Dakota. Phenotypic recurrent selection imposed at intensities of 8 and 20% (i.e. 400 parents) in Cycles 0 and 1, respectively. **other id:** W6 14871. **group:** W6. **remarks:** Two cycles of phenotypic recurrent selection imposed for plant vigor, rhizomatous spread, density of foliage cover, and seed yield. Forage production equivalent to Flintlock and Walsh but less than Barton, Rodan, and Rosana. Seed head production equivalent to Walsh but less than Barton, Flintlock, Rodan, and Rosana. In vitro digestible organic matter averaged 658g kg-1 which was similar to Rosana and higher than Rodan or Barton. Perennial. Breeding Material. Seed.